

**2016 Compressed Air Nuclear User's Group (CANUG) Agenda  
New Orleans Marriott  
New Orleans, Louisiana**

Conference Room: St. Charles Room on the 41st floor

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**DAY 1 Monday, January 11th ---SPX/Pneumatic Products**

**8:30 Opening Comments**

- Introductions
- Course Outline
- Attendee Special Interest - Goals

**9:15 Fundamentals of Compressed Air**

Basic Compressed Air Theory (28)

**9:45 Compressed Air Industry's Fourth Utility**

**10:00 \*\*\*\*\*MORNING BREAK\*\*\*\*\***

**10:15 Contamination of Compressed Air**

Need for Dry Air (22)

**10:45 Compressed Air System Components**

Fundamentals of a Compressed Air System (21)

**11:45 Principles of Air Compressors**

**12:00 \*\*\*\*\*LUNCH\*\*\*\*\***

**1:00 Fundamentals of Adsorption/Desiccant**

Adsorption Theory (18)

**1:30 Basic Dryer Types**

Fundamental Dryer Types (26)

**2:30 \*\*\*\*\*AFTERNOON BREAK\*\*\*\*\***

**2:45 Fundamentals of Filtration**

Filtration Theory & Samples (30)

**3:30 Daily Review**

Questions & Answers

**4:00 Adjourn For The Day**

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**DAY 2 Tuesday, January 12th, SPX/Pneumatic Products**

(\*\*Someone to volunteer to set up a meal for Wednesday Evening for the CANUG members)

**8:30 Day 1 Review** Questions and Course Outline

**9:00 Common Energy Management Systems**  
The Need for Energy Management (12)

**9:30 General Switching Valve Types**  
Switching Valve Types (22)

**10:00 \*\*\*\*\*MORNING BREAK\*\*\*\*\***

**10:15 Troubleshooting the System**  
Troubleshooting (17)

**10:30 Typical Dryer Maintenance** Preventive Dryer Maintenance (23)

**12:00 \*\*\*\*\*LUNCH\*\*\*\*\***

**1:00 - 2:15 Dryer Modernization Opportunities**  
Modernizing (12)

**2:15 \*\*\*\*\*AFTERNOON BREAK\*\*\*\*\***

**2:30 Industry Experience/Scenario Discussion**  
Classroom Roundtable Discussion

**4:00 Session Wrap Up and Closing Comments**  
Course Review

**4:15 Adjourn Class**

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**Wednesday Morning, January 13th**

**8:00 - 8:30 Morning introductions, Questions/Goals, SOER 88-1 INPO Visit initial thoughts**

(Bill Eister--Facilitator, Oconee Nuclear Station, Duke Energy)

**8:30 - 9:45 Compressor Training**

(Drew Ference, Ingersoll Rand)

**9:45 \*\*\*\*\* Morning Break\*\*\*\*\***

**10:00 - 12:15 Compressor Training (cont.)**

(Drew Ference, Ingersoll Rand)

- **Maintenance**
- **Troubleshooting**
- **Monitoring**

**12:15 \*\*\*\*\* Lunch\*\*\*\*\***

**Wednesday Afternoon, January 13th**

**1:30 - 3:00 Oil Cooler Failure, Compressor Recovery Lessons Learned**

(Bill Eister---Oconee Nuclear Station)

**3:00 \*\*\*\*\*Afternoon Break\*\*\*\*\***

**3:15 - 5:00 Bring your System Walkdown, Health Reports, and your SOER 88-1 INPO Visit Results.**

**Each plant (or as many as possible) will have the opportunity to discuss events of the year and plant health.**

Note: I will have a computer projector if you have PowerPoint or Pictures  
(Bill Eister--Facilitator, Oconee Nuclear Station, Duke Energy)

**Dinner at local restaurant (Optional)**

NOTE: Plan to go to supper/dinner with the CANUG members and their Spouses/Children

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**Thursday Morning, January 14th**

**8:00 - 9:00 New Compressor Installation, Lessons Learned during Ordeal**  
(Larry Tankersley, Harris)

**9:00 \*\*\*\*\*Morning Break\*\*\*\*\***

**9:15 - 10:15 Compressor and Dryer PM Templates – Development, gap analysis, and adoption at Six Flags over Duke**  
(Bonnie Spalding, Duke General Office)

**10:15 – 11:45 Continued SOER 88-1 and Plant Air System Health Report discussion.**  
(Each Plant represented has an opportunity to discuss the Health of their System.)  
(Bill Eister as Facilitator Oconee Nuclear Station, will discuss sampling of air system)

**Thursday Afternoon, January 14th**

**11:45 \*\*\*\*\*Lunch\*\*\*\*\***

**1:30 - 3:00 Maintenance, What does EPRI have to help us?  
What can EPRI do to better help us?**  
(EPRI, Richard Pepin)

**3:00 \*\*\*\*\*Afternoon Break\*\*\*\*\***

**3:30 - 4:40 System Walkdowns, Monitoring and Trending discussion**  
(ALL)

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**Friday Morning, January 15th**

**8:00 - 9:30 Discussion concerning the Instrument Air Engineer/Specialist and System Walkdowns, and any other discussions that might not have been completed.**  
(Bill Eister, Facilitator)

**9:30 \*\*\*\*\*Break\*\*\*\*\***

**9:45 - 11:30 Challenges for this past year** Bill Eister (Facilitator)  
Future Opportunities, Future CANUG Direction,  
Bill Eister as Facilitator (Oconee Nuclear Station)

**Adjourn**